

# OBSERVATIONS & RECOMMENDATIONS

After reviewing data collected from **STINSON LAKE, RUMNEY**, the program coordinators have made the following observations and recommendations:

Thank you for your continued hard work sampling the lake this season! Your monitoring group sampled **three** times this season and has done so for many years! As you know, multiple sampling events each season enable DES to more accurately detect water quality changes. Keep up the good work!

A Weed Watcher training was conducted at **STINSON LAKE** during this summer. Volunteers were trained to survey the lake once a month from **June** through **September**. To survey, volunteers slowly boat, or even snorkel, around the perimeter of the lake and any islands it may contain. Using the materials provided in the Weed Watchers Kit, volunteers look for any species that are of suspicion. After a trip or two around the lake, volunteers will have a good knowledge of its plant community and will immediately notice even the most subtle changes. If a suspicious plant is found, the volunteers will send a specimen to DES for identification. If the plant specimen is an exotic, a biologist will visit the site to determine the extent of the problem and to formulate a management plan of to control the nuisance infestation. Remember that early detection is the key to controlling the spread of exotic plants. Keep up the good work!

## **FIGURE INTERPRETATION**

- **Figure 1 and Table 1:** Figure 1 (Appendix A) shows the historical and current year chlorophyll-a concentration in the water column. Table 1 (Appendix B) lists the maximum, minimum, and mean concentration for each sampling season that the lake has been monitored through VLAP.

Chlorophyll-a, a pigment found in plants, is an indicator of the algal abundance. Because algae are usually microscopic plants that contain chlorophyll-a, and are naturally found in lake ecosystems, the chlorophyll-a concentration measured in the water gives an estimation of the algal concentration or lake productivity. **The median summer chlorophyll-a concentration for New Hampshire's lakes and ponds is 4.58 mg/m<sup>3</sup>.**

The current year data (the top graph) show that the chlorophyll-a concentration *increased slightly* from **July** to **August**, and then *decreased slightly* from **August** to **September**.

The historical data (the bottom graph) show that the 2005 chlorophyll-a mean is *less than* the state median and the similar lake median (for more information on the similar lake median, refer to Appendix F).

Overall, the statistical analysis of the historical data shows that the chlorophyll-a concentration has *significantly increased* since monitoring began. Specifically, the chlorophyll-a concentration has *increased* (meaning *worsened*) on average by *approximately 2.1 %* per sampling season during the sampling period **1988** to **2005**. (Note: Please refer to Appendix E for the statistical analysis explanation and data print out.) ***We hope that this worsening trend does not continue.***

While algae are naturally present in all lakes, an excessive or increasing amount of any type is not welcomed. In freshwater lakes, phosphorus is the nutrient that algae depend upon for growth. Algal concentrations may increase as nonpoint sources of phosphorus from the watershed increase, or as in-lake phosphorus sources increase (such as sediment phosphorus releases, known as internal loading). **Therefore, it is extremely important for volunteer monitors to continually educate all watershed residents about activities within the watershed that affect phosphorus loading and lake quality.**

- **Figure 2 and Table 3:** Figure 2 (Appendix A) shows the historical and current year data for lake transparency. Table 3 (Appendix B) lists the maximum, minimum and mean transparency data for each sampling season that the lake has been monitored through VLAP.

Volunteer monitors use the Secchi-disk, a 20 cm disk with alternating black and white quadrants, to measure water clarity (how far a person can see into the water). Transparency, a measure of water clarity, can be affected by the amount of algae and sediment from

erosion, as well as the natural colors of the water. **The median summer transparency for New Hampshire's lakes and ponds is 3.2 meters.**

The current year data (the top graph) show that the in-lake transparency **increased gradually** from **July** to **September**.

The historical data (the bottom graph) show that the 2005 mean transparency is **greater than** the state median and the similar lake median (refer to Appendix F for more information about the similar lake median).

Overall, the statistical analysis of the historical data shows that the transparency has **significantly decreased** since monitoring began. Specifically, the in-lake transparency has **decreased** (meaning **worsened**) on average by **approximately 1.2 %** per sampling season during the sampling period **1988** to **2005**. (Note: Please refer to Appendix E for the statistical analysis explanation and data print out.) **It is important to note that the worsening transparency trend corresponds to the worsening chlorophyll trend.**

**Efforts should be made to stabilize stream banks, lake shorelines, disturbed soils within the watershed, and especially dirt roads located immediately adjacent to the edge of tributaries and the lake. Guides to Best Management Practices designed to reduce, and possibly even eliminate, nonpoint source pollutants, such as sediment loading, are available from DES upon request.**

- **Figure 3 and Table 8:** The graphs in Figure 3 (Appendix A) show the amount of epilimnetic (upper layer) phosphorus and hypolimnetic (lower layer) phosphorus; the inset graphs show current year data. Table 8 (Appendix B) lists the annual maximum, minimum, and median concentration for each deep spot layer and each tributary since the lake has joined VLAP.

Phosphorus is the limiting nutrient for plant and algae growth in New Hampshire's freshwater lakes and ponds. Excessive phosphorus in a lake can lead to increased plant and algal growth over time. **The median summer total phosphorus concentration in the epilimnion (upper layer) of New Hampshire's lakes and ponds is 12 ug/L. The median summer phosphorus concentration in the hypolimnion (lower layer) is 14 ug/L.**

The current year data for the epilimnion (the top inset graph) show that the phosphorus concentration **decreased slightly** from **July** to **August** and **increased** from **August** to **September**.

The historical data show that the 2005 mean epilimnetic phosphorus concentration is ***less than*** the state median and is ***slightly greater than*** the similar lake median (refer to Appendix F for more information about the similar lake median).

Overall, the statistical analysis of the historical data shows that the phosphorus concentration in the epilimnion (upper layer) has ***significantly increased*** since monitoring began. Specifically, the phosphorus concentration in the epilimnion has ***increased*** (meaning ***worsened***) on average at a rate of ***approximately 4.5 % per season*** during the sampling period **1988 to 2005** (Please refer to Appendix E for the statistical analysis explanation and data print out).

The current year data for the hypolimnion (the bottom inset graph) show that the phosphorus concentration ***increased*** from **July to August** and then ***decreased*** from **August to September**.

The historical data show that the 2005 mean hypolimnetic phosphorus concentration is ***less than*** the state median the similar lake median (refer to Appendix F for more information about the similar lake median).

Overall, the statistical analysis of the hypolimnetic data shows that the mean annual phosphorus concentration has not continually increased or decreased since monitoring began. Visual inspection of the historic data shows a ***variable*** phosphorus trend since monitoring began. Specifically the mean annual concentration has ***fluctuated between approximately 4.5 and 14 ug/L*** since **1988**.

One of the most important approaches to reducing phosphorus loading to a waterbody is to continually educate watershed residents about its sources and how excessive amounts can adversely impact the ecology and the recreational, economical, and ecological value of lakes and ponds. Phosphorus sources within a lake or pond's watershed typically include septic systems, animal waste, lawn fertilizer, road and construction erosion, and natural wetlands.

#### **TABLE INTERPRETATION**

##### **➤ Table 2: Phytoplankton**

Table 2 (Appendix B) lists the current and historical phytoplankton species observed in the lake. Specifically, this table lists the three most dominant phytoplankton species observed in the sample and their relative abundance in the sample.

The dominant phytoplankton species observed in the **August** sample were ***Uroglenopsis* (golden-brown)**, ***Dinobryon* (golden-brown)**, and ***Asterionella* (diatom)**.

Phytoplankton populations undergo a natural succession during the growing season (Please refer to the “Biological Monitoring Parameters” section of this report for a more detailed explanation regarding seasonal plankton succession). Diatoms and golden-brown algae are typical in New Hampshire’s less productive lakes and ponds.

➤ **Table 2: Cyanobacteria**

A **small amount** of the cyanobacterium ***Anabaena*** was observed in the **August** plankton sample. ***This species, if present in large amounts, can be toxic to livestock, wildlife, pets, and humans.*** (Please refer to the “Biological Monitoring Parameters” section of this report for a more detailed explanation regarding cyanobacteria).

Cyanobacteria can reach nuisance levels when phosphorus loading from the watershed to surface waters is increased (this is often caused by rain events) and favorable environmental conditions occur (such as a period of sunny, warm weather).

The presence of cyanobacteria serves as a reminder of the lake’s delicate balance. Watershed residents should continue to act proactively to reduce nutrient loading to the lake by eliminating fertilizer use on lawns, keeping the lake shoreline natural, re-vegetating cleared areas within the watershed, and properly maintaining septic systems and roads.

In addition, residents should also observe the lake/pond in September and October during the time of fall turnover (lake mixing) to document any algal blooms that may occur. Cyanobacteria have the ability to regulate their depth in the water column by producing or releasing gas from vesicles. However, occasionally lake mixing can affect their buoyancy and cause them to rise to the surface and bloom. Wind and currents tend to “pile” cyanobacteria into scums that accumulate in one section of the lake. If a fall bloom occurs, please collect a sample (any clean jar or bottle will be suitable) and contact the VLAP Coordinator.

➤ **Table 4: pH**

Table 4 (Appendix B) presents the in-lake and tributary current year and historical pH data.

pH is measured on a logarithmic scale of 0 (acidic) to 14 (basic). pH is important to the survival and reproduction of fish and other aquatic life. A pH below 6.0 limits the growth and reproduction of fish. A pH between 6.0 and 7.0 is ideal for fish. The median pH value for the epilimnion (upper layer) in New Hampshire's lakes and ponds is **6.6**, which indicates that the surface waters in the state are slightly acidic. For a more detailed explanation regarding pH, please refer to the "Chemical Monitoring Parameters" section of this report.

The mean pH at the deep spot this season ranged from **6.05** in the hypolimnion to **6.41** in the epilimnion, which means that the water is **slightly acidic**.

It is important to point out that the pH in the hypolimnion (lower layer) was **lower (more acidic)** than in the epilimnion (upper layer). This increase in acidity near the lake bottom is likely due the decomposition of organic matter and the release of acidic by-products into the water column.

Due to the presence of granite bedrock in the state and acid deposition (from snowmelt, rainfall, and atmospheric particulates) in New Hampshire, there is not much that can be done to effectively increase lake pH.

➤ **Table 5: Acid Neutralizing Capacity**

Table 5 (Appendix B) presents the current year and historical epilimnetic ANC for each year the lake has been monitored through VLAP.

Buffering capacity (ANC) describes the ability of a solution to resist changes in pH by neutralizing the acidic input. The median ANC value for New Hampshire's lakes and ponds is **4.9 mg/L**, which indicates that many lakes and ponds in the state are at least "moderately vulnerable" to acidic inputs. For a more detailed explanation, please refer to the "Chemical Monitoring Parameters" section of this report.

The mean Acid Neutralizing Capacity (ANC) of the epilimnion (the upper layer) was **2.0 mg/L** this season, which is **much less than** the state median. In addition, this indicates that the lake is **extremely vulnerable** to acidic inputs (such as acid precipitation).

➤ **Table 6: Conductivity**

Table 6 (Appendix B) presents the current and historical conductivity values for tributaries and in-lake data. Conductivity is the numerical expression of the ability of water to carry an electric current (which is determined by the number of negatively charged ions from metals, salts, and minerals in the water column). The median conductivity value for New Hampshire's lakes and ponds is **40.0 uMhos/cm**. For a more detailed explanation, please refer to the "Chemical Monitoring Parameters" section of this report.

The mean annual conductivity in the epilimnion at the deep spot this season was **22.26 uMhos/cm**, which is ***much less than*** the state median.

The conductivity at the deep spot and in the tributaries continued to be relatively ***stable*** and ***low***. Typically conductivity levels greater than 100 uMhos/cm indicate the influence of human activities on surface water quality. These sources include septic systems leachate, agricultural runoff, and road runoff (which contains road salt during the spring snow melt). The low conductivity level in the lake is an indication of the low amount of pollutants and erosion in the watershed. We hope this trend continues!

➤ **Table 8: Total Phosphorus**

Table 8 (Appendix B) presents the current year and historical total phosphorus data for in-lake and tributary stations. Phosphorus is the nutrient that limits the algae's ability to grow and reproduce. Please refer to the "Chemical Monitoring Parameters" section of this report for a more detailed explanation.

The total phosphorus concentration was ***slightly elevated*** in the **Cross Road Brook (15 ug/L)** and **Doe Town Brook (19 ug/L)** on the **August** sampling event. The turbidity of these samples was ***very slightly elevated (0.67 and 0.86 NTUs)***. It is important to point out that the **August** sampling event was conducted within 24 hours after a one-quarter inch rain event. It is possible that the phosphorus and turbidity in these two sampling locations was slightly elevated due to sediment and phosphorus enriched stormwater runoff.

If you suspect that erosion is occurring in these areas of the watershed, we recommend that your monitoring group conduct a stream survey and storm event sampling along these tributaries. This additional sampling may allow us to determine what is causing the ***elevated*** levels of turbidity and phosphorus.

*For a detailed explanation on how to conduct rain event sampling and stream surveys, please refer to the 2002 VLAP Annual Report “Special Topic Article” or contact the VLAP Coordinator.*

➤ **Table 9 and Table 10: Dissolved Oxygen and Temperature Data**

Table 9 (Appendix B) shows the dissolved oxygen/temperature profile(s) for the 2005 sampling season. Table 10 (Appendix B) shows the historical and current year dissolved oxygen concentration in the hypolimnion (lower layer). The presence of dissolved oxygen is vital to fish and amphibians in the water column and also to bottom-dwelling organisms. Please refer to the “Chemical Monitoring Parameters” section of this report for a more detailed explanation.

The dissolved oxygen concentration was greater than **100%** saturation at **5** and **6 meters** on the **August** sampling event. Wave action from wind can also dissolve atmospheric oxygen into the upper layers of the water column. Layers of algae can also increase the dissolved oxygen in the water column, since oxygen is a by-product of photosynthesis. Considering that the depth of the photic zone (depth to which sunlight can penetrate into the water column) was approximately **7** meters on this date (as shown by the Secchi-disk transparency), and that the metalimnion (the layer of rapid decrease in water temperature and increase in water density – a place where algae are often found) was located between approximately **5** and **9** meters, we suspect that an abundance of algae in the metalimnion caused the oxygen super saturation.

The dissolved oxygen concentration was ***lower in the hypolimnion (lower layer) than in the epilimnion (upper layer)*** at the deep spot of the lake on the **August** sampling event. As stratified lakes age, and as the summer progresses, oxygen typically becomes ***depleted*** in the hypolimnion by the process of decomposition. Specifically, the loss of oxygen in the hypolimnion results primarily from the process of biological breakdown of organic matter (i.e.; biological organisms use oxygen to break down organic matter), both in the water column and particularly at the bottom of the lake where the water meets the sediment. When oxygen levels are depleted to less than 1 mg/L in the hypolimnion, the phosphorus that is normally bound up in the sediment may be re-released into the water column (a process referred to as ***internal phosphorus loading***).

It is important to point out that the low dissolved oxygen concentration measured at **22** and **22.5 meters (1.09 and 1.40 mg/L, respectively)** on the **August** sampling event may have been due to the fact that the dissolved oxygen meter probe was submerged in the lake sediment. This theory is supported by the fact that the



temperature at **22** and **22.5 meters** was approximately **1.5 degrees warmer** than the temperature measured at the depth of **21 meters**.

➤ **Table 11: Turbidity**

Table 11 (Appendix B) lists the current year and historical data for in-lake and tributary turbidity. Turbidity in the water is caused by suspended matter, such as clay, silt, and algae. Water clarity is strongly influenced by turbidity. Please refer to the “Other Monitoring Parameters” section of this report for a more detailed explanation.

➤ **Table 12: Bacteria (*E.coli*)**

Table 12 lists only the historical data for bacteria (*E.coli*) testing. (Please note that Table 12 now lists the maximum and minimum results for all past sampling seasons.) *E. coli* is a normal bacterium found in the large intestine of humans and other warm-blooded animals. *E.coli* is used as an indicator organism because it is easily cultured and its presence in the water, in defined amounts, indicates that sewage **MAY** be present. If sewage is present in the water, potentially harmful disease-causing organisms **MAY** also be present.

Bacteria sampling was not conducted through VLAP this year. If residents are concerned about sources of bacteria such as failing septic systems, animal waste, or waterfowl waste, it is best to conduct *E. coli* testing when the water table is high, when beach use is heavy, or immediately after rain events.

➤ **Table 14: Current Year Biological and Chemical Raw Data**

This table lists the most current sampling season results. Since the maximum, minimum, and annual mean values for each parameter are not shown on this table, this table displays the current year “raw” (meaning unprocessed) data. The results are sorted by station, depth zone (epilimnion, metalimnion, and hypolimnion) and parameter.

➤ **Table 15: Station Table**

As of the Spring of 2004, all historical and current year VLAP data are included in the DES Environmental Monitoring Database (EMD). To facilitate the transfer of VLAP data into the EMD, a new station identification system had to be developed. While volunteer monitoring groups can still use the sampling station names that they have used in the past (and are most familiar with), an EMD station name also exists for each VLAP sampling location. For each station sampled at your lake, Table 15 identifies what EMD station name corresponds to the station names you have used in the past and will continue to use in the future.

**DATA QUALITY ASSURANCE AND CONTROL****Annual Assessment Audit:**

During the annual visit to your lake, the biologist conducted a “Sampling Procedures Assessment Audit” for your monitoring group. Specifically, the biologist observed the performance of your monitoring group while sampling and filled out an assessment audit sheet to document the ability of the volunteer monitors to follow the proper field sampling procedures (as outlined in the VLAP Monitor’s Field Manual). This assessment is used to identify any aspects of sample collection in which volunteer monitors fail to follow proper procedures, and also provides an opportunity for the biologist to retrain the volunteer monitors as necessary. This will ultimately ensure that the samples that the volunteer monitors collect are truly representative of actual lake and tributary conditions.

Overall, your monitoring group did an **excellent** job collecting samples on the annual biologist visit this season! Specifically, the members of your monitoring group followed the proper field sampling procedures and there was no need for the biologist to provide additional training. Keep up the good work!

**Sample Receipt Checklist:**

Each time your monitoring group dropped off samples at the laboratory this summer, the laboratory staff completed a sample receipt checklist to assess and document if the volunteer monitors followed proper sampling techniques when collecting the samples. The purpose of the sample receipt checklist is to minimize, and hopefully eliminate, future re-occurrences of improper sampling techniques.

Overall, the sample receipt checklist showed that your monitoring group did an **excellent** job when collecting samples and submitting them to the laboratory this season! Specifically, the members of your monitoring group followed the proper field sampling procedures and there was no need for the laboratory staff to contact your group with questions, and no samples were rejected for analysis.

**USEFUL RESOURCES**

*Acid Deposition Impacting New Hampshire's Ecosystems*, NHDES Fact Sheet ARD-32, (603) 271-2975 or [www.des.state.nh.us/factsheets/ard/ard-32.htm](http://www.des.state.nh.us/factsheets/ard/ard-32.htm).

*Best Management Practices to Control Nonpoint Source Pollution: A Guide for Citizens and Town Officials*, NHDES Booklet WD-03-42, (603) 271-2975.

*Best Management Practices for Well Drilling Operations*, NHDES Fact Sheet WD-WSEB-21-4, (603) 271-2975 or [www.des.nh.gov/factsheets/ws/ws-21-4.htm](http://www.des.nh.gov/factsheets/ws/ws-21-4.htm).

*Biodegradable Soaps and Water Quality*, NHDES Fact Sheet BB-54, (603) 271-2975 or [www.des.state.nh.us/factsheets/bb/bb-54.htm](http://www.des.state.nh.us/factsheets/bb/bb-54.htm).

*Canada Geese Facts and Management Options*, NHDES Fact Sheet BB-53, (603) 271-2975 or [www.des.state.nh.us/factsheets/bb/bb-53.htm](http://www.des.state.nh.us/factsheets/bb/bb-53.htm).

*Cyanobacteria in New Hampshire Waters Potential Dangers of Blue-Green Algae Blooms*, NHDES Fact Sheet WMB-10, (603) 271-2975 or [www.des.state.nh.us/factsheets/wmb/wmb-10.htm](http://www.des.state.nh.us/factsheets/wmb/wmb-10.htm).

*Erosion Control for Construction in the Protected Shoreland Buffer Zone*, NHDES Fact Sheet WD-SP-1, (603) 271-2975 or [www.des.state.nh.us/factsheets/sp/sp-1.htm](http://www.des.state.nh.us/factsheets/sp/sp-1.htm).

*Freshwater Jellyfish In New Hampshire*, NHDES Fact Sheet WD-BB-5, (603) 271-2975 or [www.des.state.nh.us/factsheets/bb/bb-51/htm](http://www.des.state.nh.us/factsheets/bb/bb-51/htm).

*Impacts of Development Upon Stormwater Runoff*, NHDES Fact Sheet WD-WQE-7, (603) 271-2975 or [www.des.state.nh.us/factsheets/wqe/wqe-7.htm](http://www.des.state.nh.us/factsheets/wqe/wqe-7.htm).

*IPM: An Alternative to Pesticides*, NHDES Fact Sheet WD-SP-3, (603) 271-2975 or [www.des.state.nh.us/factsheets/sp/sp-3.htm](http://www.des.state.nh.us/factsheets/sp/sp-3.htm).

*Iron Bacteria in Surface Water*, NHDES Fact Sheet WD-BB-18, (603) 271-2975 or [www.des.state.nh.us/factsheets/bb/bb-18.htm](http://www.des.state.nh.us/factsheets/bb/bb-18.htm).

*Lake Foam*, NHDES Fact Sheet WD-BB-4, (603) 271-2975 or [www.des.state.nh.us/factsheets/bb/bb-5.htm](http://www.des.state.nh.us/factsheets/bb/bb-5.htm).

*Lake Protection Tips: Some Do's and Don'ts for Maintaining Healthy Lakes*, NHDES Fact Sheet WD-BB-9, (603) 271-2975 or [www.des.state.nh.us/factsheets/bb/bb-9.htm](http://www.des.state.nh.us/factsheets/bb/bb-9.htm).

*Low Impact Development Hydrologic Analysis.* Manual prepared by Prince George's County, Maryland, Department of Environmental Resources. July 1999. To access this document, visit [www.epa.gov/owow/nps/lid\\_hydr.pdf](http://www.epa.gov/owow/nps/lid_hydr.pdf) or call the EPA Water Resource Center at (202) 566-1736.

*Low Impact Development: Taking Steps to Protect New Hampshire's Surface Waters* NHDES Fact Sheet WD-WMB-16, (603) 271-2975 or [www.des.state.nh.us/factsheets/wmb/wmb-17.htm](http://www.des.state.nh.us/factsheets/wmb/wmb-17.htm).

*Proper Lawn Care In the Protected Shoreland, The Comprehensive Shoreland Protection Act*, NHDES Fact Sheet WD-SP-2, (603) 271-2975 or [www.des.state.nh.us/factsheets/sp/sp-2.htm](http://www.des.state.nh.us/factsheets/sp/sp-2.htm).

*Road Salt and Water Quality*, NHDES Fact Sheet WD-WMB-4, (603) 271-2975 or [www.des.state.nh.us/factsheets/wmb/wmb-4.htm](http://www.des.state.nh.us/factsheets/wmb/wmb-4.htm).

*Sand Dumping - Beach Construction*, NHDES Fact Sheet WD-BB-15, (603) 271-2975 or [www.des.state.nh.us/factsheets/bb/bb-15.htm](http://www.des.state.nh.us/factsheets/bb/bb-15.htm).

*Shorelands Under the Jurisdiction of the Comprehensive Shoreland Protection Act*, NHDES Fact Sheet SP-4, (603) 271-2975 or [www.des.state.nh.us/factsheets/sp/sp-4.htm](http://www.des.state.nh.us/factsheets/sp/sp-4.htm).

*Soil Erosion and Sediment Control on Construction Sites*, NHDES Fact Sheet WQE-6, (603) 271-2975 or [www.des.state.nh.us/factsheets/wqe/wqe-6.htm](http://www.des.state.nh.us/factsheets/wqe/wqe-6.htm).

*Swimmers Itch*, NHDES Fact Sheet WD-BB-2, (603) 271-2975 or [www.des.state.nh.us/factsheets/bb/bb-2.htm](http://www.des.state.nh.us/factsheets/bb/bb-2.htm).

*Through the Looking Glass: A Field Guide to Aquatic Plants*, North American Lake Management Society, 1988, (608) 233-2836 or [www.nalms.org](http://www.nalms.org).

*Weed Watchers: An Association to Halt the Spread of Exotic Aquatic Plants*, NHDES Fact Sheet WD-BB-4, (603) 271-2975 or [www.des.state.nh.us/factsheets/bb/bb-4.htm](http://www.des.state.nh.us/factsheets/bb/bb-4.htm).

*Watershed Districts and Ordinances*, NHDES Fact Sheet WD-WMB-16, (603) 271-2975 or [www.des.state.nh.us/factsheets/wmb/wmb-16.htm](http://www.des.state.nh.us/factsheets/wmb/wmb-16.htm).